HENRY COUNTY PERFORMING ARTS CENTER
TECHNICAL RIDER

1. INTRODUCTION

General Information

The Henry County Performing Arts Center is owned and operated by the Henry County Board of Education, in McDonough, Georgia. The Center provides performance and meeting space for 34 schools in the Henry County system (K-12), as well as numerous area civic and commercial organizations in one of the fastest growing counties in the nation. The Performing Arts Center provided space for 421 uses in FY03 (July 2002 to June 2003), with over 21,500 participants, and audiences totaling nearly 70,000.

A joint school system/county government project, $1-million of the total construction cost of $3.3-million was approved through, and generated by, a Special Local Option Sales Tax (SPLOST). Gardner, Spencer, Smith, Sarden and Partners, of Atlanta, designed the 23,589 square foot facility. Choate Construction, of Marietta, was the general contractor. The audio consultant was Acoustical Design Group, of Mission, Kansas, in association with J.L. Friesen & Associates, of Atlanta. Georgia Sound Systems served as Sound Contractor. Stage Front Presentation Systems, of Savannah, was the Stage Lighting Contractor.

Completed in 1998, the facility houses a single 710-seat proscenium theatre. Ancillary spaces include an orchestra pit, two chorus-style dressing rooms with shower and restroom facilities, public restrooms, lobby and an art gallery.

NOTE: Existence of items listed in this tech rider does not guarantee availability. Please inquire as to status of equipment before assuming availability for your production!

Theatre Overview

The theatre has a proscenium opening measuring 44 feet wide by 21 feet high. House seating is arranged in two-tiers, both with three seating sections. Entry from the lobby is from center house-left side to a cross-aisle that separates the lower-tier and upper-tier seating. A secondary entry from the lobby is accessed via a stairwell, and enters the house behind the last row of seats, house-left. This stairwell also contains a wheelchair lift.

Contact Information

All booking, rental and technical inquiries should be addressed to:
Keith Ellison – PAC Supervisor
Office – 770-914-7477 FAX – 770-914-5760
Email – kellison@henry.k12.ga.us
Street Address – 37 Lemon Street, McDonough, GA 30253
Web information – www.henry.k12.ga.us (click link to *Performing Arts Center*).

Driving Directions

Take Interstate 75 to exit 218 (McDonough/Hampton – GA Hwy 81). Travel east (northbound I75 turn right, southbound turn left) approximately 2.8 miles to the McDonough town square. Go straight through the square through the first and second traffic light, continuing east on GA Hwy 81 (toward Covington). Travel several blocks and go through the next traffic light (intersection of Keys Ferry & Cedar Streets), continuing on GA Hwy 81. Past this intersection on your left, you'll see an Eckerd Drug store, Advanced Auto Parts store and at the end of the block, a Huddle House Restaurant. Turn left the Huddle House onto Lemon Street. The Performing Arts Center is 500 yards down Lemon Street on the right, adjoining Henry County High School. (*See map on page 25*)

2. STAGE SPECIFICATIONS

Stage Floor

The wooden stage floor is constructed of Canadian Maple on ¾" plywood, 2x4 sleepers on 16" centers and neoprene pads. Fiberglass bat insulation is installed between sleepers for sound control. The maple surface is finished with multiple coats of satin polyurethane. The floor was installed in 2002. A black vinyl dance floor (Stagestep *Timestep 5*) is available to cover the entire maple surface (specifications below). Lagging into the stage floor is not allowed.

One accessible trap is located along the centerline just down from center stage. An orchestra pit cover is located down center, on the stage apron. There are lighting floor pockets upstage left & right (1 each), extreme left & right stage (three each side), and two sound floor pockets down left & right on the apron. Otherwise, the stage is clear of obstructions.

Wings space floor is concrete, painted black. A six-inch metal strip provides a transition between the maple stage floor and concrete wings floor.

Stage Dimensions

Reference: Plaster line = upstage edge of proscenium

Proscenium:	Height = 21' 0" Width = 44' 0"
Stage Width:	Total = 82' 0"
	Wing space right = 13' 0"* *(concrete - SR wall to wooden stage floor)* Typical clear with furnishings in place = 6' to 8'
	Wing space left = 12' 10"* *(concrete - SL wall to wooden stage flloor)* Typical clear with furnishings in place = 7' 6"
	**Some space SL & SR normally occupied by risers, piano, shells, etc. Some of these items can be relocated with advance notice.*
Stage Depth:	Total (plaster line to upstage wall) = 34' 0"
	Clear depth (plaster line to cyc) = 33' 6"
	Apron maximum (plaster line to DS edge center) = 8' 0"
	Apron minimum = 5' 1"
	Grand drape (distance from plaster line) = 1' 0"
Elevations:	Stage height from house floor = 3' 5"

Orchestra Pit

The 27'x19' (+/- due to angled walls) orchestra pit is accessible via stairwells from either SL or SR. It does not contain an orchestra lift. A pit cover at down center of the apron is removable by means of a hand-crank Genie lift and furniture dollys. The cover measures 5'5"x7'3". Pit depth from the stage deck is 9'3". The room is can be locked for securing instruments. Depending upon instrumentation, it can accommodate up to 25 musicians. Construction is concrete block, poured concrete, and plywood. When not in use for an orchestra, it can also be used as additional dressing room space (no restrooms or running water). The stage trap also opens into this space.

Loading Access

All stage loading is from a set of street-level double doors down stage left at the rear of the building (no dock). There is a 3.75" step up from pavement to concrete, so bring a dock ramp for heavy rolling loads, if needed. Each door is 36"x 85" with a removable mullion between the two. Due to door hardware, maximum clearance is approximately 60"x 83". From the loading doors, there is a 10' unobstructed, straight path to stage through another set of double doors (no mullion, same size – maximum clearance approximately 60"x83").

A second set of double loading doors is located 10 feet away, and is better suited for loading smaller items into the house (video, etc.). The mullion in this entry is not removable.

A third single exterior door accesses the hallway/dressing room area behind stage, and can easily access upstage left. Costumes and wardrobe should load-in through this door.

Trailers or other vehicles may be left on-site overnight with advance notice, at your own risk. Adequate dunnage must be provided underneath trailer jacks. Overnight RV parking is not allowed.

Due to tight production schedules and lack of adequate storage within the facility, all items must be removed at the conclusion of the production.

Fly System

Plans are underway to install approximately four motorized line sets in January 2005. Two will be dedicated to the 1st & 2nd stage electrics, with a 2400lb capacity. The remaining two lines will be scenery battens, located upstage, with a 1200lb capacity. The proposed system is the Hoffend Vortek computer-controlled rigging system, featuring no counterweights, quiet operation, and touch-screen control. To learn more about Vortek, visit www.hoffend.net/vortek.asp. For additional information about the scenery line set location and use within the Performing Arts Center, please contact the PAC Supervisor.

All other battens are dead hung from I-beams 50' above the stage deck. No grid and no access. Access to stage electrics & soft goods is via Genie lift (30ft platform) or 26ft A-frame extension ladder. There are limited hang points, and all are battens dedicated to other purposes; e.g. borders (there are no spares). Note that the legs are hung on rotodrapers, which are attached to battens that are not full stage width. These do not extend on-stage far enough to be a useful hang point. If you require hanging a backdrop, scenery or additional softgoods, please discuss your needs with the PAC supervisor in advance.

Dance Floor

A black, vinyl rollout dance floor is available for use. It covers the entire maple surface, and is generally advised for most theatrical and dance presentations. Suitable for all dance, including tap. There are seven rolls, measuring 5'x56'. An eighth roll is custom cut to the stage apron. Each full roll weighs approximately 300lbs, and is stored on end, on 4" schedule 40 PVC. Storage location is SL on two custom steel carts. Seams are taped with 1.5" vinyl dance floor tape. Rental clients will incur additional charges for use, labor and related supplies. Specific cleaning products must be used. Aluminum taps are prohibited. Inquire for details.

NOTE – DO NOT USE ANY CHEMICALS ON THE FLOOR. Specific products are recommended for cleaning & maintenance (see below). Use of ammonia, alcohol & certain solvents can damage the floor. The PAC stocks approved maintenance items, or they can be obtained through Stagestep.

Rosin & aluminum taps are prohibited. An application of "Slip Nomor" is required in place of rosin. Colas or other soda products are not acceptable substitutes!

Specifications

- Manufacturer – Stagestep, 2000 Hamilton Street, Philadelphia, PA 19130
- Product – Timestep 5
- Color – Black matte (# 72270)
- Material – 100% virgin vinyl PVC; no lamination
- Thickness/Wear Layer – 0.080" (80 mils; 1/12")
- Weight – 6.5 lbs/sq. yd. Static Load – 125lbs/sq. in.

Recommended maintenance products

- ProClean X (super concentrated industrial strength floor cleaner)
- Scuffgard X (Super concentrated cleaning agent)
- Slip Nomoor 2000 (non-slip solution, used instead of dance rosin)
- Slip Nomoor Cleaner (non-slip solution & floor cleaner in one product)
- Tapemate 2 (removes tape adhesive, scuff marks, etc.)
- Prostrip (strips finishes & residues)

MSDS for all produces available at www.stagestep.com

For information regarding floor use or maintenance at the PAC, please contact the PAC Supervisor.

3. ANCILLARY SPACES

Dressing Rooms

Two chorus-style dressing rooms are located directly behind the stage & can be accessed via hallway from upstage left or right. A built-in countertop, makeup mirrors & lights, and chairs can accommodate up to 14 actors (seated) in each room. Both rooms include a built-in costume hanging rack measuring 6'4", and an 18" deep storage shelf above with 2'6" vertical clearance. Both dressing rooms contain 14 Virco model 9018 "Classic Series" plastic stackable chairs. Stage monitoring is possible by means of a wireless system monitoring the hearing impaired transmission (program audio only). Production communication is possible with wall-mounted listen/talk stations, or duplex communications via headset connected to this station. The dressing area flooring is vinyl tile. The adjacent restroom facilities include a shower in each room, two lavatories and three toilets in the lady's dressing room, and two toilets and one lavatory in the men's dressing room. Flooring in the restroom is ceramic tile. These restrooms service all backstage areas, but can be locked. Other public restrooms are available elsewhere in the facility.

As noted above, additional dressing space is available in the orchestra pit, when not in use. Mirrors are available for use in the pit, but running water and restrooms are not located on that level. This area can be locked.

House

The house contains six seating sections totaling 710 fixed seats, plus eight wheelchair positions. Entry from the lobby is from house-left side to a cross-aisle that separates the lower-tier and upper-tier seating. The lower tier seating is raked by means of a full-floor ramp (1.5" incline per foot). The upper-tier is raked with steps (7" rise on 3'1" tread). A secondary entry from the lobby is accessed via a stairwell from the lobby, and enters the house behind the last row of seats, house-left. This stairwell also contains a wheelchair lift. The distance from the downstage edge of the apron to the center of the cross aisle is approximately 31'. Distance from the center of the cross aisle to the light/sound booth is approximately 30'.

Sound & Light Booth

Located at the rear of the house aligned with seating rows X & Y, the booth is accessed through a lockable door from the house center-left aisle. A house crossover runs behind the booth. Distance to the plaster line is approximately 70'. The lighting & sound positions are separated by the sliding glass door, with the lighting position located on the left side and sound on the right. Each compartment measures 7'x11'. The front of the lighting booth is enclosed with three glass panels, and the center panel slides open. The sound booth is open on the front, but a metal roll-up door can deploy to secure equipment. Both sides have a built-in countertop for the light and sound consoles. The sound booth also has a built-in equipment rack and under-counter storage cabinet.

Art Gallery

The art gallery features 728 square feet of wall-mounted chrome grid (3"O.C.) for display of artwork. Four mobile (caster-mounted) grid panels offer an additional 144 square feet of display space, each. A large quantity of clips, brackets and hooks are available for grid hanging. Twelve 18" square pedestals covered in white laminate are available for display of 3D art. Each pedestal has an 18"x18"x18" clear acrylic cover. Display fabric is available in black polyester, poly satin in black and navy, and shiny tulle in white and beige. Lightolier adjustable 50-watt, MR16 track fixtures provide supplemental gallery spot lighting. Lamps are available in 40-degree beam for wall wash, and 26-degree for spot. Artwork by Henry County schoolchildren is displayed most of the school year.

Other

The PAC does not contain a costume shop, scene shop, rehearsal/warm-up room, green room or production office.

When necessary, washing/drying of costumes must be arranged off-site. There are several coin laundries nearby. Inquire for directions.

All set construction must take place off site, with assembly on stage. Care is required to protect floors, walls and draperies during *minor touch-up painting* on stage. All other painting must be done outdoors in the parking lot area. See PAC Supervisor for permission and details.

4. Lighting System

Instrument Inventory (Conventional)

All terminated with 2P&G (stage pin) plug, unless noted otherwise

- 18 ETC Source Four 19° (575W)
- 2 ETC Source Four 5° (575W)
- 2 ETC Source Four 10° (575W)
- 6 Source Four Jr. 36° (575W)
- 2 Source Four Jr. 26° (575W)
- 17 Source Four PARs (575W) w/lens kits (VNS, NS, MFL, WFL)
- 30 Frensel 6" - most Altman 65Q, some L&E (750W)
- 18 L&E Border Lights, 3-circuit w/RGB roundels (90W)
- 4 Altman Q-lite w/barndoor & safety screen (1000W)
- 6 L&E model 7905 steel PAR38 90w (300w max); terminated with standard Edison plug
- 2 Lycian SuperArc 400 model 1267 (located on 2nd house electric catwalk)

All conventional lighting equipped with C-Clamp, safety cable & gel frame

Dimming

- 2 ETC Sensor Dimmer Racks, each with CEM – software version *xx*
- 49 ETC D20 Dimmer Modules (2.4k per dimmer) powering 98 circuits for stage lighting
- 7 ETC D20 Dimmer Modules powering 14 circuits for house lighting

Circuits (see patch schedule)

132 working circuits for stage lighting (limited to 98 by available D20 modules)

- 30 circuits 1st house electric (FOH)
- 0 circuits 2nd house electric (FOH)
- 30 circuits 1st stage electric
- 24 circuits 2nd stage electric
- 24 circuits 3rd stage electric
- 3 circuits at each of the following floor pockets: DSL, DSR, MSL, MSR, USL, USR, UL, UR
- 0 circuits box booms L&R (can be powered by cable runs from 1st house elec)

Control

1 ETC Expression 3 lighting console w/ETC link

Note: There is no DMX distribution in the facility. We have successfully controlled DMX equipment through use of adapters and unused building mic cable runs

2 ETC Digital Address Stations for control of house lighting independent of console

1 ETC Stage Snapshot Station – 12 programmable channels (located DSR)

1 ETC Remote Focus Unit (wired)

House Patch Schedule (as of 12/2003)

Note: channel # = dimmer # = circuit #

DIM.NO.	LOCATION	DIM?	INSTRUMENT TYPE	REMARKS	LAMP
1 – 20	Future Circuits—Catwalk II				
21	1st House Electric	Y			
22	1st House Electric	Y			
23	1st House Electric	Y	S4–19 (6x16)	UL - Amber (R02) – [Area 5]	HPL575+
24	1st House Electric	Y	S4–19 (6x16)	DL - Amber (R02) – [Area 1]	HPL575+
25	1st House Electric	Y	S4–19 (6x16)	UCL – Amber (R02) – [Area 6]	HPL575+
26	1st House Electric	Y	S4–19 (6x16)	DCL – Amber (R02) – [Area 2]	HPL575+
27	1st House Electric	Y	S4–19 (6x16)	UCR – Amber (R02) – [Area 7]	HPL575+
28	1st House Electric	Y	S4–19 (6x16)	DCR – Amber (R02) – [Area 3]	HPL575+
29	1st House Electric	Y	S4–19 (6x16)	UR – Amber (R02) – [Area 8]	HPL575+
30	1st House Electric	Y	S4–19 (6x16)	DR – Amber (R02) – [Area 4]	HPL575+
31	1st House Electric	Y	S4-5	DR Podium Spot – Amber (R02)	HPL575+
32	1st House Electric	Y			
33	1st House Electric	Y			
34	1st House Electric	Y			
35	1st House Electric	Y	S4-10	DC Spot	HPL575+
36	1st House Electric	Y	S4-10	MC Spot	HPL575+
37	1st House Electric	Y			HPL575+
38	1st House Electric	Y	S4-5	DL Podium Spot	HPL575+
39	1st House Electric	Y	S4–19 (6x16)	UL – Blue (R65) – [Area 5]	
40	1st House Electric	Y			
41	1st House Electric	Y	S4–19 (6x16)	DL – Blue (R65) – [Area 1]	HPL575+
42	1st House Electric	Y	S4–19 (6x16)	UCL – Blue (R65) – [Area 6]	HPL575+
43	1st House Electric	Y	S4–19 (6x16)	DCL – Blue (R65) – [Area 2]	HPL575+
44	1st House Electric	Y	S4–19 (6x16)	UCR – Blue (R65) – [Area 7]	HPL575+
45	1st House Electric	Y	S4–19 (6x16)	DCR – Blue (R65) – [Area 3]	HPL575+
46	1st House Electric	Y	S4–19 (6x16)	UR - Blue (R65) – [Area 8]	HPL575+
47	1st House Electric	Y	S4–19 (6x16)	DR – Blue (R65) – [Area 4]	HPL575+
48	1st House Electric	Y	S4j-26 (6x9)	U.S. Flag Spot (SR Apron)	HPL575+
49	1st House Electric	Y	S4j-26 (6x9)	Not assigned	HPL575+
50	1st House Electric	Y	54-10	Gobo Special HR Wall	HPL575+
51	1st Stage Electric				
52	1st Stage Electric				
53	1st Stage Electric				
54	1st Stage Electric				
55	1st Stage Electric	Y			
56	1st Stage Electric	Y	Fresnel	Stage left - Blue (R60) - Area 1	BTN
57	1st Stage Electric	Y	Fresnel	Stage Left - Pink (R33) – Area 1	BTN
58	1st Stage Electric	Y	PAR (WFL)	Stage Left	HPL575+
59	1st Stage Electric	Y			
60	1st Stage Electric	Y	54	Stage Special-Extension	
61	1st Stage Electric	Y	Fresnel	Stage Center Left – Blue (R60) [2]	BTN
62	1st Stage Electric	Y	Fresnel	Stage Center Left – Pink (R33) [2]	BTN
63	1st Stage Electric	Y	Q-Light	Center Left; Work Light	FCM (1K)
64	1st Stage Electric	Y			
65	1st Stage Electric	Y	Fresnel	Center stage – Blue (R60) [3]	BTN
66	1st Stage Electric	Y	PAR (WFL)	Center stage	HPL575+
67	1st Stage Electric	Y	Fresnel	Center stage – Pink (R33) [3]	BTN
68	1st Stage Electric	Y			
69	1st Stage Electric	Y	Fresnel	Stage Center Right – Blue (R60)	BTN
70	1st Stage Electric	Y	Fresnel	Stage Center Right – Pink (R33)	BTN
71	1st Stage Electric				
72	1st Stage Electric		54	Stage Special-Extension	
73	1st Stage Electric	Y	PAR (WFL)	Stage Right	HPL575+
74	1st Stage Electric	Y	Fresnel	Stage right - Blue (R60)	BTN
75	1st Stage Electric	Y	Fresnel	Stage right - Pink (R33)	BTN
76	1st Stage Electric	Y	Q-Light	Center Right; Work Light	FCM (1K)
77	1st Stage Electric				
78	1st Stage Electric				
79	1st Stage Electric				
80	1st Stage Electric				
81	2nd Stage Electric				
82	2nd Stage Electric				
83	2nd Stage Electric				
84	2nd Stage Electric				

DIM.NO.	LOCATION	DIM?	INSTRUMENT TYPE	REMARKS	LAMP
85	2nd Stage Electric	Y	PAR (WFL)	Mount SL; lights SR ctr.	HPL575+
86	2nd Stage Electric	Y	Fresnel	Stage Left - Blue (R60)	BTN
87	2nd Stage Electric	Y	PAR (WFL)	Stage left; Down light	HPL575+
88	2nd Stage Electric	Y	Fresnel	Stage Left - Pink (R33)	BTN
89	2nd Stage Electric	Y	Fresnel	Stage Center Left – Blue (R60)	BTN
90	2nd Stage Electric	Y	PAR (WFL)	Stage Left Center; Down light	HPL575+
91	2nd Stage Electric	Y	Fresnel	Stage Center Left – Pink (R30)	BTN
92	2nd Stage Electric	Y	Fresnel	Center stage – Blue (R60)	BTN
93	2nd Stage Electric	Y	PAR (WFL)	Center Stage; Down light	HPL575+
94	2nd Stage Electric	Y	Fresnel	Center stage – Pink (R33)	BTN
95	2nd Stage Electric	Y	PAR (WFL)	Stage Center Right; Down light	HPL575+
96	2nd Stage Electric	Y	Fresnel	Stage Center Right – Blue (R60)	BTN
97	2nd Stage Electric	Y	Fresnel	Stage Center Right – Pink (R33)	BTN
98	2nd Stage Electric	Y	PAR (WFL)	Stage right; Down Light	HPL575+
99	2nd Stage Electric	Y	Fresnel	Stage right - Blue (R60)	BTN
100	2nd Stage Electric	Y	Fresnel	Stage right - Pink (R33)	BTN
101	2nd Stage Electric	Y	PAR (WFL)	Mount SR wings; lights SL ctr.	HPL575+
102	2nd Stage Electric	Y			
103	2nd Stage Electric				
104	2nd Stage Electric				
105	3rd Stage Electric	Y	Strip Red	Stage left; 12 lamps per dim	PAR38-90w
106	3rd Stage Electric	Y	Strip Green	Stage left; 12 lamps per dim.	PAR38-90w
107	3rd Stage Electric	Y	Strip Blue	Stage left; 12 lamps per dim.	PAR38-90w
108	3rd Stage Electric	Y			
109	3rd Stage Electric	Y	PAR (WFL)	Mount SL wings; Lights SL Center	HPL575+
110	3rd Stage Electric	Y	Q-Light	Up Center; Work Light	FCM (1K)
111	3rd Stage Electric	Y	PAR (WFL)	Stage Left	HPL575+
112	3rd Stage Electric	Y	PAR (WFL)	Stage Left Center	HPL575+
113	3rd Stage Electric	Y	Strip Red	Ctr. Stage; 12 lamps per dim.	PAR38-90w
114	3rd Stage Electric	Y	Strip Green	Ctr. Stage; 11 lamps per dim.	PAR38-9e
115	3rd Stage Electric	Y	Strip Blue	Ctr. Stage; 12 lamps per dim.	PAR38-90w
116	3rd Stage Electric	Y	PAR (WFL)	Center stage	HPL575+
117	3rd Stage Electric				
118	3rd Stage Electric				
119	3rd Stage Electric	Y	PAR (WFL)	Stage Right Center	HPL575+
120	3rd Stage Electric	Y	Strip Red	Stage right; 12 lamps per dim.	PAR38-90w
121	3rd Stage Electric	Y	Strip Green	Stage right; 11 lamps per dim.	PAR38-90w
122	3rd Stage Electric	Y	Strip Blue	Stage right; 11 lamps per dim.	PAR38-90w
123	3rd Stage Electric	Y	PAR (WFL)	Stage right	HPL575+
124	3rd Stage Electric	Y	PAR (WFL)	Mount SR wings; Lights SR Center	HPL575+
125	3rd Stage Electric				
126	3rd Stage Electric				
127	3rd Stage Electric				
128	3rd Stage Electric				
129-131	Down right floor pocket				
132-134	Mid-right floor pocket				
135	Up right floor pocket	Y			
136	Up right floor pocket	Y			
137	Up right floor pocket	Y			
138	Up right-center floor pocket	Y			
139	Up right-center floor pocket	Y			
140	Up right-center floor pocket	Y			
141	Up left-center floor pocket	Y	Strip Green	Stage Center Floor	PAR38-90w
142	Up right-center floor pocket	Y	Strip Red	Stage Center Floor	PAR38-90w
143	Up right-center floor pocket	Y	Strip Blue	Stage Center Floor	PAR38-90w
144	Up left floor pocket	Y	Strip Green	Stage Left Floor	PAR38-90w
145	Up left floor pocket	Y	Strip Red	Stage Left Floor	PAR38-90w
146	Up left floor pocket	Y	Strip Blue	Stage Left Floor	PAR38-90w
147-149	Mid-left floor pocket				
150-152	Down left floor pocket				
153-158	Future Circuits-SL boom door				
159-164	Future Circuits-SL box boom				
165-170	Future Circuits-SR boom door				
171-176	Future Circuits-SR box boom				
177	House: Side Coves & Catwalk I	Y	House Lights		PAR56-300w
178	House: Side Coves & Catwalk I	Y	House Lights		PAR56-300w

DIM.NO.	LOCATION	DIM?	INSTRUMENT TYPE	REMARKS	LAMP
179	House: Front Bullets	Y	House Lights	Stage left center & stage left extreme	PAR56-300w
180	House: Front Bullets	Y	House Lights	Stage right center & stage rt. Extreme	PAR56-300w
181	House: Catwalk II	Y	House Lights	Stage Left center and Stage Left	PAR56-300w
182	House: Catwalk II	Y	House Lights	Stage Right center and Stage Right	PAR56-300w
183	House: Panic lights, receded	Y	House Lights	All except Stage right and Stage left	PAR56-300w
184	House: Panic lights, bullets	Y	House Lights	All except Stage right and Stage left	PAR56-300w
185	House: Catwalk I	Y	House Lights	Stage Left and Stage left, extreme 2	PAR56-300w
186	House: Catwalk I	Y	House Lights	Stage Right & Stage right, extreme 2	PAR56-300w
187	House: Catwalk II	Y	House Lights	Stage Left and Stage Right	PAR56-300w
188	House: Panic lights, bullet	Y	House Lights	Stage Left and Stage Right	PAR56-300w
189	House: Front Bullets	Y	House Lights	Stage Left and Stage Right	PAR56-300w
190	House: Entrance Alcoves	Y	House Lights	Both sides (House Left & Right)	PAR56-300w
191-196	Unassigned				

Stage Electrics

There are three stage electrics dead hung at 4'0", 16'9" and 26'3" from the plaster line. Access is via Genie lift or a wooden 26' A-frame ladder. Note that the 2nd stage electric falls just *behind* the mid-stage traveler.

- Battens are 1½ " schedule 40 black pipe
- Trim height is 21'

FOH Electrics

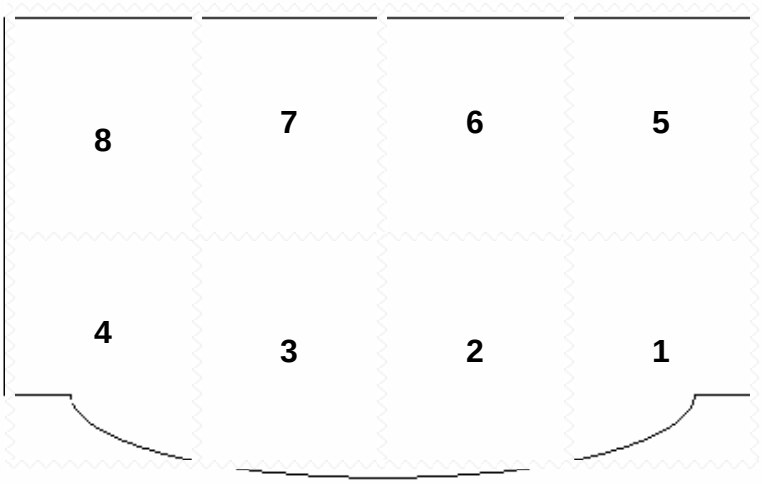
There are two front-of-house electrics, but the second is not wired for use. Access is by means of stairwell to spiral stairs to catwalk. A four-rung vertical ladder connects the side catwalk up to the FOH catwalks. Jacks for headset communication are located on both catwalks.

- 1st house electric – 32' to house floor; 46'10" to plaster line
- 2nd house electric – 27'9" to house floor (due to rake); 67'10" to plaster
- Two (2) Lycian model 1267 SuperArc 400 followspots (400W metal halide lamps) located on 2nd house electric; three ¾" plywood platforms on top of catwalk grid at house left, right & center positions for followspot placement; electrical connections for one each at either end, or one or both at center; headset communications at all locations

Work Lights

Four L&E PAR38 model 7905 cans (90W halogen lamps) and six 100-watt metal halide fixtures provide stage work lights. These are non-dims switchable only from the Dimmer Room, off stage left. Two 500-watt quartz fixtures provide additional lighting for the wings space (one fixture on each side), and are switched by means of a wireless remote control. Note that these wings fixtures are circuited to the same non-dims that provide stage work lighting; they will not work if the stage work lights are switched off. Four Altman 1K Q-Lites are also used for general work light, controlled by the stage dimming system.

Lighting Plot
Standard House Two-Color Stage Wash
1st House Electric

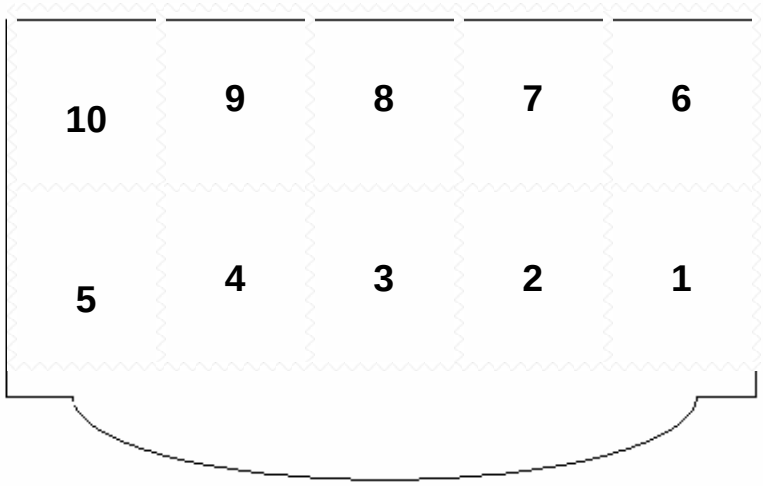


Front of house wash (1st house electric)

	Fixture	Circuit/Channel	Color	Fixture	Circuit/Channel	Color
Area 1	S419	24	R02	S419	41	R65
Area 2	S419	26	R02	S419	43	R65
Area 3	S419	28	R02	S419	45	R65
Area 4	S419	30	R02	S419	47	R65
Area 5	S419	23	R02	S419	39	R65
Area 6	S419	25	R02	S419	42	R65
Area 7	S419	27	R02	S419	44	R65
Area 8	S419	29	R02	S419	46	R65

S419 = ETC Source 4 - 19° (HPL575+ - 575watt) R02 = Roscolux 02 – "Bastard Amber" R65 = Roscolux 60 – "Daylight Blue"	Notes: Areas 1-4 shuttered to DS edge of apron Areas 1-4 are programmed to submaster 1 (Blue) & submaster 3 (Amber) Areas 5-8 are programmed to submaster 2 (Blue) & submaster 4 (Amber) Blue from house left, amber from house right

Lighting Plot
Standard House Two-Color Stage Wash
1st & 2nd Stage Electric



Stage electric wash (1st stage electric: Areas 1-5; 2nd stage electric: Areas 6-10)

	Fixture	Circuit/Channel	Color	Fixture	Circuit/Channel	Color
Area 1	65Q	57	R33	65Q	56	R60
Area 2	65Q	62	R33	65Q	61	R60
Area 3	65Q	67	R33	65Q	65	R60
Area 4	65Q	70	R33	65Q	69	R60
Area 5	65Q	75	R33	65Q	74	R60
Area 6	65Q	88	R33	65Q	86	R60
Area 7	65Q	91	R33	65Q	89	R60
Area 8	65Q	94	R33	65Q	92	R60
Area 9	65Q	97	R33	65Q	96	R60
Area 10	65Q	100	R33	65Q	99	R60

65Q = Altman 65Q 6" Fresnels (BTN – 750 watt) R33 = Roscolux 33 – "No Color Pink" R60 = Roscolux 60 – "No Color Blue"	Notes: Areas 1-5 are programmed to submaster 5 (Blue) & submaster 6 (Pink) Areas 6-10 are programmed to submaster 19 (Blue) & submaster 20 (Pink)

Submaster Programming (Expression 3 – all "Page 1")

SUB #	DESC	CH-DIM-CIR #	SUB #	DESC	CH-DIM-CIR #
1	DS Blue (FOH)	41,43,45,47	13	1st Stage Electric PARs	58,66,73
2	US Blue (FOH)	39,42,44,46	14	2nd Stage Electric PARs	85,87,90,93,95,98,101
3	DS Amber (FOH)	24,26,28,30	15	3rd Stage Electric PARs	109,111,112,116,119,123,124
4	US Amber (FOH)	23,25,27,29	16	SL Podium spot (S4-5º)	40
5	1st Stage Electric Fresnels (Blue)	56,61,65,69,74	17	SR Podium spot (S4-5º)	31
6	1st Stage Electric Fresnels (Pink)	57,62,67,70,75	18	U.S. Flag spot (SR Apron)	48
7	Cyc Strips – Floor (Red)	142,145	19	2nd Stage Electric (Blue)	86,89,92,99
8	Cyc Strips – Floor (Green)	135,141	20	2nd Stage Electric (Pink)	88,91,94,97,100
9	Cyc Strips – Floor (Blue)	143,146	21	DSC spot (S4-10º)	35
10	Cyc Strips – Overhead (Red)	105,113,120	22	MSC spot (S4-10º)	36
11	Cyc Strips – Overhead (Green)	106,114,121	23	Patriotic (Blue, Red, Blue cyc)	107,113,122,138,140,142,143 145,146
12	Cyc Strips – Overhead (Blue)	107,115,122	24	House Lights	177-190

House Lights

House lights are:

- L&E PAR56 track cans located in front of the 1st & 2nd house electrics & in front of the house left & right rear box booms; lamped with 300W medium flood
- Lightolier recessed fixtures with 250QL (250W) halogen lamps

House lights are controlled by:

- 12 fader ETC Snapshot Station (programmed to fader # 1), down stage right
- ETC Digital Address Station located in usher closet, house left
- ETC Digital Address Station located on wall to left of lighting console in lighting booth
- ETC Expression 3 lighting console located in lighting booth; programmed to submaster # 24

!!! NOTE: System is "highest takes precedence". Lighting console cannot "override" Snapshot Station or Digital Address Stations, i.e., you cannot lower a level set at a remote station, although you can raise a level if the remote station settings or programming is at any value less than "full". If you plan to "take control" from a remote station, use the DAS in the usher closet. You can "take control" at the DAS in the light booth, then either lower or turn off the light booth DAS in order to gain full control at via the ETC lighting console.

Power

No company switch available

Various 20 amp circuits available one stage

- Four (4) duplex outlets in apron wiring trough on one 20A circuit
- Four (4) isolated duplex circuits in apron wiring trough on one 20A circuit
- Two (2) duplex outlets stage right on one 20A circuit
  DS proscenium wall (right), US wall (right)
- Two (2) duplex outlets stage left on one 20A circuit
  DS proscenium wall (left), MDL wall
- Four (4) duplex outlets one two 20A circuits (2/circuit)
  Upstage wall
- 1st house electric catwalk has two GFI duplex outlets on one 20A circuit
- 2nd house electric catwalk has two GFI duplex outlets on one 20A circuit
- 2nd house electric catwalk has four outlets for followspots
  two located center of catwalk, one each end
- Box booms have two duplex outlets on one 20A circuit
- Emergency power provided by natural gas-fired 45KW Kohler model 45R2272 generator with automatic transfer

Connections

All stage lighting instruments and connector strips have 2P&G (stage pin) connections

Miscellaneous Lighting Hardware

- Assorted lighting extension cable, all stage pin M-F, 12 gauge SO or SJO, 5'-65'
- C-clamp, gel frame & safety cable for every instrument
- Extra C-clamps & safety cables available
- Adequate lamp stock
- Basic gel stock (blue, amber, pink, diffusions)
  If you require color other than standard house wash, you are expected to provide your own gel & are responsible for restoring house gel after production
- No barndoors, tophats or snoots available
- One (1) Apollo ThinLine Donut for Source 4: 2.5" open area
- Pattern holders for Source Four: six (6) A; five (5) B; three (3) M
- Pattern holders for 360Q: two (2) (B-size) (Note: PAC has no 360Q instruments; will not fit S4!)
- Two (2) Altman 4-rung lighting ladder
- Four (4) Altman 50lb base
- Six (6) 10½ ' schedule 40 1½" black pipe (threaded one end for use with Altman 50lb base)
- Two (2) Altman pole light lifts - 8'
- Three (3) male stage pin to 6-outlet switched multi-outlet strip (15A max)
- Various 50' Edison M-F extension cords; dark green & bright yellow
- Three (3) Stanley heavy duty clamp lights (150W max)

Gobos (all Rosco unless indicated)

Description	Category	Size	DHA #	Rosco #	Qty
Lattice	Windows & Doors	B	124	77124	1
Flames 1	Fire & Water	A	175	77175	2
Lightning	Clouds & Sky	A	177	77175	1
Snowflakes	Holidays & Celebrations	A	238-272	77772	2
Fire/Waves	Fire & Water	A	238-275	77775	2
Lightning Branch	Clouds & Sky	A	238-276	77776	1
Night Sky	Clouds & Sky	A		79001	1
Starry Night	Clouds & Sky	A		71054	1
Skyline 2	The World Around Us	B	306	77306	1
Broadway 1	The World Around Us	B	308	77308	1
Star of Bethlehem	Holidays & Celebrations	A	7707	77707	1
Hollywood	The World Around Us	A	8113	78113	1
Old Stones	Breakups, Geometric	B	GAM	GAM 610	1
Twister	Breakups	B	GAM	GAM 2271	1
Soft Breakup	Trees & Foliage Breakups	A		77811	2
Spooky Wood	Trees & Foliage Breakups	M	862	77286	1
Real Graveyard	Halloween	M	APOLLO	MS-3059	1

5. SOUND SYSTEM

Overview

House sound is controlled from an enclosed booth at the center rear of the house, aligned with seating rows X & Y. The booth is accessed through a lockable door from the house center-left aisle. A house crossover runs behind the booth. Distance to the plaster line is approximately 70'. The sound booth is situated on the house-right side of the enclosure, with the lighting booth occupying the house-left side. A sliding glass door separates the two booths. Each compartment measures 7'x11'. The sound booth is open on the front, but a metal roll-up door can deploy to secure equipment. It has a built-in countertop for the sound console, and a built-in equipment rack and under-counter storage cabinet.

The house cluster is suspended in the ceiling in front of the proscenium. The stage and adjacent areas include forty-two (42) mic inputs. Access to a number of system inputs and outputs are available at a panel located at the center of the house seating cross aisle.

!!! NOTE: System is designed as dual-channel mono. Left channel feeds processing chain optimized for speech. Right channel feeds processing chain optimized for music.

FOH System

All equipment housed in racks on second floor landing, SR

- Five (5) ElectroVoice SX200 series speakers
- Klark Teknik DN-7103 digital signal processor
- Klark Teknik DN-504 compressor/limiter
- Rane RPE-228 programmable equalizer
- Rane GE-215 graphic equalizer
- Rane PE-17 parametric equalizer
- Crown CT-210, CT-410 & CT-610 power amplifiers
- Lyntec SLC341-41 power sequence

Mixing Console

Allen & Heath GL4000 21-buss live sound console located in sound booth

- 48 channels (44 mono mic/line, 4 stereo)
- 8 audio groups
- 10 aux sends
- 128 mute patches
- 8 mute groups
- 11x4 matrix
- 4 band EQ plus HPF

Secondary/Backup Console

Mackie SR 24.4

- 24 channels (20 with mic preamps, 2 stereo)
- 4 busses
- 6 aux sends
- 3 band EQ with sweepable mid; 4 band fixed on stereo channels

Stage Monitoring

- One (1) ElectroVoice S40 monitor speaker in "broadcast" configuration; mounted center of 1st house electric catwalk, aimed toward stage; powered by Crown amp
- Two Horizon stage monitor wedges
    - Two channels of monitor distribution to various locations (designated "SM1" & SM2")
    - Samson Servo-550 amplifier (275 watts/channel)
    - SamsonE62 1/3-octave graphic equalizer
    - Four (4) 25' phone to phone cables
    - Ten (12) jacks for connection on stage, per channel (24 total)
    - Eight (8) jacks for connection in orchestra pit, per channel (16 total)

Signal Processing (outboard gear)

- One (1) Lexicon MPX-500 dual channel digital effects processor
- One (1) Alesis Nanoverb digital effects processor
- Two (2) Sabine FBX2020 Plus (dual channel) feedback eliminator

Recording/Playback

- Alesis Masterlink ML-9600 master disk recorder
    - two-track hard disk recorder – up to 30 hours of two-track audio
    - stores 16 playlists with up to 99 tracks per playlist
    - onboard 8x read, 4x write CD burner
        - burns standard "Red Book" (16-bit/44.1kHz) or high resolution formats (up to 24-bit/96Khz)
    - standard CD-R compatible
    - onboard digital signal processing: compression, EQ, limiting, normalization
- Denon DN-790R three-head cassette desk
- JVC XL-F258 five disc CD changer
- Gemini CDX-601 single disc CD player

Microphones

- 13 Audio Technica 853a miniature cardioid condenser microphone
    - 5 hanging over stage
    - 5 on stands
- 9 ElectroVoice N/D767 cardioid microphone
- 5 SHS OM-500 cardioid microphone (SM58 look-alike, work-alike)
- 1 Audio Technica 853Qma cardioid condenser quick-mount gooseneck microphone (generally used on lectern)
- 5 Audio Technica 853Qma cardioid condenser quick-mount gooseneck microphone with stand adapters for solo vocal & instrumental pickup
- 3 Crown PCC-160 Phase Coherent Cardioid stage floor microphone
- 2 Crown Pressure Zone Microphone model PZM-6LPG with custom two-foot diameter clear Plexiglass mount
- 2 Avlex Superlux CM-H8C condenser microphone
    - 1" diaphragm
    - three switch-selectable patterns – omni, cardioid, figure-8

Wireless Microphones

Shure LX-series VHF wireless system

- Eight (8) LX series receivers & microphone/transmitters as listed (all rack mounted in sound booth equipment rack)
    - "A" – 186.200 MHz with SM58 handheld & beltpack (cannot be used simultaneously)
    - "B" – 177.600 MHz with SM58 handheld & beltpack (cannot be used simultaneously)
    - "C" – 171.845 MHz with beltpack
    - "D" – 174.200 MHz with beltpack
    - "E" – 176.200 MHz with beltpack
    - "F" – 186.600 MHz with beltpack
    - "G" – 189.000 MHz with beltpack
    - "H" – 190.600 MHz with beltpack

RF & power distribution via two (2) Shure WA405 antenna/power distribution systems

Shure ULX-S UHF wireless system

- Two (2) ULX-Standard series receivers & microphone/transmitters (located in sound booth at equipment rack)
  Frequency agile (frequency can be changed as necessary) – UHF Band: 554-590 MHz (J1)
  Automatic frequency selection
    - "I" - 554-590 MHz with beltpack
    - "J" - 554-590 MHz with beltpack

Microphones for wireless beltpack units & related hardware

- Six (6) Shure WL184 hypercardioid lavaliere microphone (black), with TA4F connector
- Eleven (11) Shure WL93T subminiature omnidirectional microphone (tan), with TA4F connector
- Two (2) Shure WL93 subminiature omnidirectional microphone (black), with TA4F connector
- Two (2) Shure WA-302 Instrument Cable - 2.5 foot length with 1/4-inch plug and 4-pin mini connector (TA4F)

Production Communications

Production Intercom (brand) dual channel (IC-A, IC-B) hard-wired system

- Five (5) PI LS3T desktop/wall mount talkback station (can be used with internal speaker or headset/handset)
    - one in sound booth, one in light booth, one at 2nd house catwalk center followspot position, one each in both dressing rooms, one in office)
- Eight (8) PI BP1 single channel beltpack
- Four (4) PI SMH310 single muff headset
- Three (3) PI SMH210 single muff headset
- One (1) PI SMH320 dual muff headset
- Four (4) PI SMH110 lightweight headset

All desktop talkback stations and portable beltpacks connect with standard microphone cables. Abundant connectivity throughout theatre – see "Hard Wiring" section (pages 18-21).

Hard Wiring (*see wiring layout diagram on page 21)*

Stage (M = mic, SM = stage monitor, IC = intercom, L = line; Circuit # follows)	
DSL wall panel	M16-19; SM1; SM2; IC-A; IC-B; L3; L4; Line Out
	NOTES: M16-19 are paralleled at jacks located 15' up the down stage wall for suspending mics above stage – cannot use any set of jack pairs simultaneously
DSR wall panel	M12-16; SM1; SM2; IC-A; IC-B; L1; L2; Line Out
	NOTES: M16-19 are paralleled at jacks located 15' up the wall for suspending mics above stage – cannot use any set of jack pairs simultaneously
USR wall	M20; SM1; SM2; IC-A; IC-B
UC wall	M21; SM1; SM2; IC-A; IC-B
USL wall	M22; SM1; SM2; IC-A; IC-B

Apron (M = mic, SM = stage monitor, IC = intercom, L = line)	
DSL floor pocket	M10-11; SM1; SM2
DSR floor pocket	M1-2; SM1; SM2

Apron Wiring Trough Five (5) panels evenly spaced across stage in trough (listed SR to SL)	
DSR	M3, SM1, SM2 NOTE: M3 paralleled in orchestra pit – cannot use both simultaneously
DCR	M4, SM1, SM2 NOTE: M4 paralleled in orchestra pit – cannot use both simultaneously
CENTER	M5, M6, SM1, SM2 NOTE: M5 paralleled in orchestra pit – cannot use both simultaneously
DCL	M8, SM1, SM2 NOTE: M8 paralleled in orchestra pit – cannot use both simultaneously
DSL	M9, SM1, SM2 NOTE: M8 paralleled in orchestra pit – cannot use both simultaneously
	M7 is located center of the wall below the apron trough, facing row A seating

Orchestra Pit Five (5) outlet boxes surface-mounted, spaced along I-beam, roughly in-line with proscenium arch (listed SR to SL)	
DSR	M3, SM1, SM2; note M3 paralleled in apron wiring trough – cannot use both simultaneously
DCR	M4, SM1, SM2; note M4 paralleled in apron wiring trough – cannot use both simultaneously
CENTER	M5, SM1, SM2; note M5 paralleled in apron wiring trough – cannot use both simultaneously
DCL	M8, SM1, SM2; note M8 paralleled in apron wiring trough – cannot use both simultaneously
DSL	M9, SM1, SM2; note M8 paralleled in orch pit – cannot use both simultaneously

Orchestra pit listing continued on next page

orchestra pit listing continued

Three (3) panels located downstage pit wall	
DSR	M23, M24, SM1, SM2, IC-A, IC-B
DC	M25, M26, SM1, SM2, IC-A, IC-B
DSL	M27, M28, SM1, SM2, IC-A, IC-B

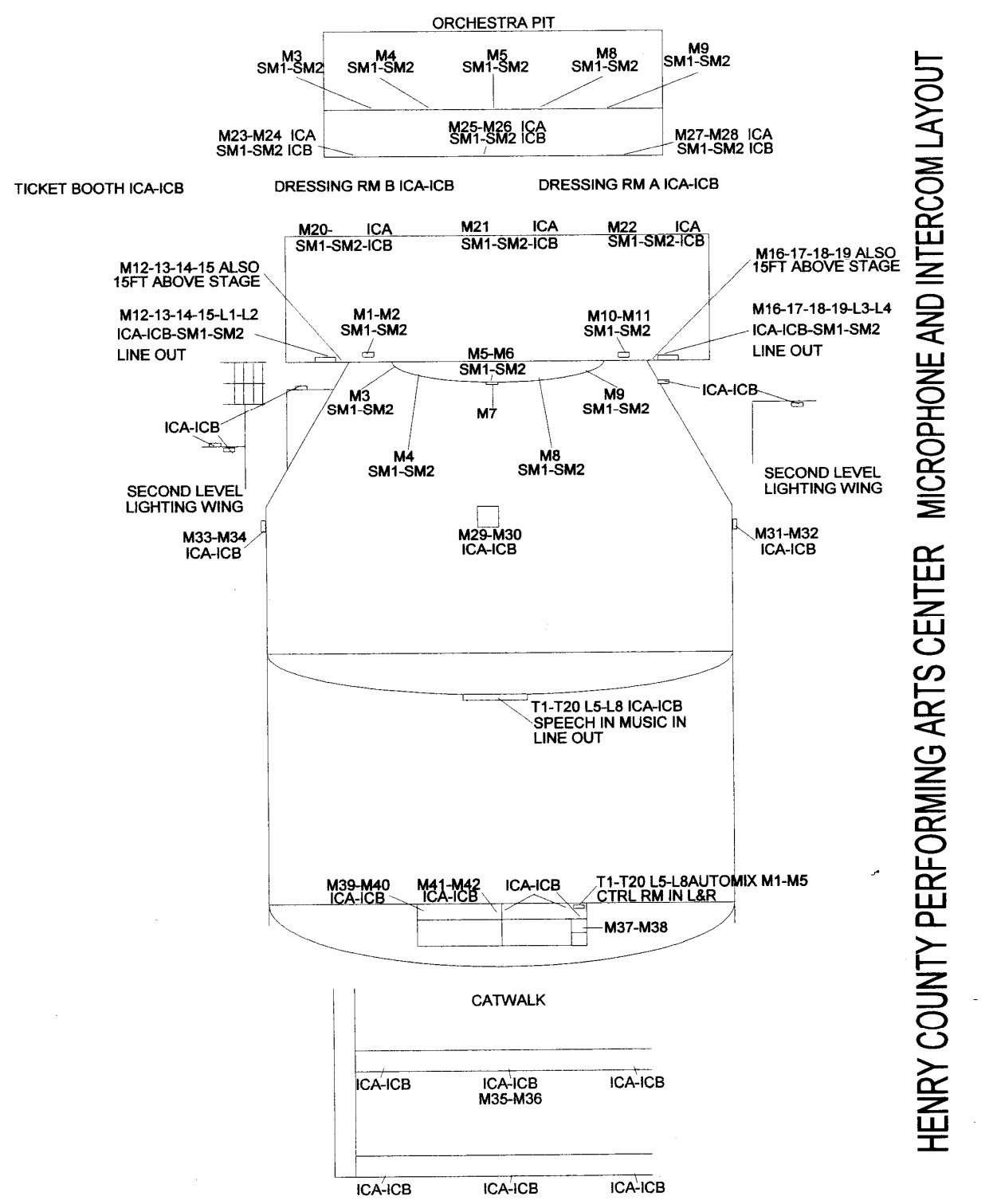
Cross Aisle Panel located in front of first row of upper-tier seating, center section	
All lines run to panel located on above countertop on wall to right of the sound console	T1-20 lines run back to panel in sound booth
	L5-8 lines run back to panel in sound booth
	IC-A, IC-B, speech in, music in, line out

Sound Booth Panel located above countertop on wall to right of sound console	
	T1-20 lines from panel in cross aisle
	L5-8 lines from cross aisle
	Automix mic in (not used); control room monitor line in; IC line in
Countertop flush-mounted outlet boxes	Right: IC-A; IC-B
	Left: IC-A; IC-B
Top of equipment rack	M37; M38

Light Booth Countertop flush-mounted outlet boxes	
Right	M39; M40; IC-A; IC-B
Left	M41; M42; IC-A; IC-B

Miscellaneous Connections Various locations as listed	
House-left box boom	M33; M34; IC-A; IC-B
House-right box boom	M31; M32; IC-A; IC-B
Sound equipment racks (2nd floor landing)	IC-A; IC-B
1st house catwalk	
left	IC-A; IC-B
center	M35; M36; IC-A; IC-B
right	IC-A; IC-B

2nd house catwalk	
left	IC-A; IC-B
Center	IC-A; IC-B
right	IC-A; IC-B


HENRY COUNTY PERFORMING ARTS CENTER MICROPHONE AND INTERCOM LAYOUT
ORCHESTRA PIT
M3 SM1-SM2
M4 SM1-SM2
M5 SM1-SM2
M8 SM1-SM2
M9 SM1-SM2
M23-M24 ICA SM1-SM2 ICB
M25-M26 ICA SM1-SM2 ICB
M27-M28 ICA SM1-SM2 ICB
TICKET BOOTH ICA-ICB
DRESSING RM B ICA-ICB
DRESSING RM A ICA-ICB
M20- ICA SM1-SM2-ICB
M21 ICA SM1-SM2-ICB
M22 ICA SM1-SM2-ICB
M12-13-14-15 ALSO 15FT ABOVE STAGE
M16-17-18-19 ALSO 15FT ABOVE STAGE
M12-13-14-15-L1-L2 ICA-ICB-SM1-SM2 LINE OUT
M1-M2 SM1-SM2
M10-M11 SM1-SM2
M16-17-18-19-L3-L4 ICA-ICB-SM1-SM2 LINE OUT
M5-M6 SM1-SM2
M3 SM1-SM2
M7
M9 SM1-SM2
ICA-ICB
ICA-ICB
M4 SM1-SM2
M8 SM1-SM2
SECOND LEVEL LIGHTING WING
SECOND LEVEL LIGHTING WING
M33-M34 ICA-ICB
M29-M30 ICA-ICB
M31-M32 ICA-ICB
T1-T20 L5-L8 ICA-ICB SPEECH IN MUSIC IN LINE OUT
M39-M40 ICA-ICB
M41-M42 ICA-ICB
ICA-ICB
T1-T20 L5-L8AUTOMIX M1-M5 CTRL RM IN L&R
M37-M38
CATWALK
ICA-ICB
ICA-ICB M35-M36
ICA-ICB
ICA-ICB
ICA-ICB
ICA-ICB

Portable Wiring

Assorted M-F XLR mic cables; 3' – 50'
Four (4) 25' stage monitor cables (¼ phone M – ¼ phone M)
Assorted adapter and patch cables

Hardware

- Mic stands
  - Nine (9) Atlas tripod microphone stand with booms (black)
  - Six (6) Atlas straight microphone stand (round base – black)
  - Two (2) Quick-Loc A-50 studio microphone tripod stand with boom (black)
  - Two (2) short table stands
- Horizon "Cable Detective" cable tester
- Direct boxes
  - Two (2) Whirlwind IMP2
  - Two (2) Conquest EDB-2
  - One (1) ProCo DB-1
- Two (2) Littlelite Raklite (mounted in sound booth equipment rack)

Assistive Listening System

- Williams Sound Corporation
  - One (1) transmitter at 72.9 MHz
  - Six (6) model # R7 receiver at 72.9 MHz, with mono single earbud
  - Three (3) Personal PA FM Monitor Receiver (table top with two speakers)
    - Use primarily for remote stage monitoring in dressing rooms & office

RF in Use (Summary)

Primary RF generated within the PAC comes from Shure wireless microphone transmitters. If your production will include additional wireless microphones, radio links, walkie-talkies, wireless computer networking products, control (such as wireless DMX), or other RF transmitting equipment from another source, please refer to the following frequency information to determine the likelihood of interference. Be aware that radio frequency interference is not always a predicable phenomenon, and can be influenced by building construction, transmitter/receiver proximity, external transmitters in the area (cars or trucks with high-power two-radio equipment, for example), among others. Harmonics, or multiples of the transmit frequency, can often cause interference even when two transmitter frequencies appear to be well separated. Also, keep in mind that nearly all wireless microphone systems occupy space within the VHF or UHF television spectrum, and are subject to interference from those sources.

Your best source for questions about possible interference between your equipment and PAC equipment, will be your equipment manufacturer.

RF Source	Frequency (MHz)
Assistive Listening transmitter	72.9
Wireless Microphone	171.845
Wireless Microphone	174.200
Wireless Microphone	176.200
Wireless Microphone	177.600
Wireless Microphone	186.200

RF Source	Frequency (MHz)
Wireless Microphone	186.600
Wireless Microphone	189.000
Wireless Microphone	190.600
Wireless Microphone	554-590*
Wireless Microphone	554-590*
**frequency agile*	

6. SOFTGOODS

Stage Draperies & Hang Schedule

All pieces 50% fullness, except cyc; Trim height = 22'

Description	From plaster	Qty	Size (WxH)	Material	Hung
Grand Drape, burgundy	2'0"	2	30' x 22'	Marvel velour, 20oz Duvetyne lined	ADC #280 track, manual pull, SR
Teaser, burgundy	3'0"	1	71' x 6'	Marvel velour, 20oz Duvetyne lined	Ties to Schedule 40 pipe
Tormenter, burgundy	5'8"	2	8' x 20'	Marvel velour, 20oz	Ties to Schedule 40 pipe
Legs, black	8'0"	2	8' x 22'	Princess velour, 15oz	ADC #28 Rotodraper on #280 track*
Border	9'3"	1	71' x 6'	Princess velour, 15oz	Ties to Schedule 40 pipe
Legs, black	12'0"	2	8' x 22'	Princess velour, 15oz	ADC #28 Rotodraper on #280 track*
Border	14'0"	1	71' x 6'	Princess velour, 15oz	Ties to Schedule 40 pipe
Mid-stage traveler	15'3"	2	30' x 20'	Princess velour, 15oz	ADC #280 track, manual pull, SR
Legs, black	19'0"	2	8' x 22'	Princess velour, 15oz	ADC #28 Rotodraper on #280 track*
Border	22'9"	1	71' x 6'	Princess velour, 15oz	Ties to Schedule 40 pipe
Legs, black	25'6"	2	8' x 22'	Princess velour, 15oz	ADC #28 Rotodraper on #280 track*
Cyc traveler	31'0"	2	30' x 20'	Princess velour, 15oz	ADC #280 track, manual pull, SR
Cyc	32'0"	1	71' x 20'	Seamless muslin, sky blue	Ties to Schedule 40 pipe

*Rotodraper travel (*measured from onstage edge of leg to proscenium wall*): up to 8' onstage & 2' offstage;

*Rotodraper rotation: up to 90 degrees, depending on adjacent lines.

7. CONCERT EQUIPMENT

Concert Equipment

Non-school use by permission only. Rental clients may be assessed additional fees.

- Yamaha C7 Grand Piano
- Premier 1.5 Octave Chrome Chimes
- Premier 2.5 Octave Orchestra bells
- Premier 3.5 Octave Synthetic Concert Xylophone
- Premier Fiberglass "Concert Series" Tympani (22.5", 25", 28", 30")
- Premier 16"x36" Bass Drum on suspension stand
- Premier 16'x32" bass drum w/folding floor stand
- Wenger one-step conductor's podium
- Wegner two-step conductor's podium w/back rail
- Wenger conductor's music stand
- 80 Manhassett music stands w/3three storage carts
- Eight (8) Wenger Signature four-step choral risers w/back rail (no side rails)

Wenger Signature 4-step riser (098A004)		
GROUP CAPACITY*	UNITS NEEDED	SPACE REQUIRED
17-23	1	6'6"w x 6'2"d
34-46	2	12'10"w x 7'0"d
51-69	3	18'10"w x 7'8"d
68-92	4	24'4"w x 9'2"d
85-115	5	29'2"w x 10'5"d
102-138	6	33'2"w x 12'6"d
119-161	7	36'4"w x 14'2"d
136-184	8	38'4"w x 16'7"d

*First number indicates how many high school students will fit on a riser set if all students stand shoulder to shoulder. Second number indicated how many students will fit on a riser set if they are all facing center with shoulders overlapping. Numbers include a row of students standing on the floor. Adult groups should use lower number. (Information from Wenger Corp).

- 22 Manhassett music stand lights

Note: No mallets supplied for any of the percussion instruments

8. A/V EQUIPMENT

A/V Equipment

- Elmo HP-L2900H Overhead Projector
- Panasonic CT-27614A 27” Color TV/Monitor
- Panasonic PV-S9760 S-VHS Video Recorder
- Two (2) Luxor 42” A/V Cart w/electrical
- 47” wooden podium w/reading lamps, AT853Maq gooseneck microphone & AT8646QM XLR microphone shock mount
- Anchor Audio Megaphone

9. FURNISHINGS

Chairs

- 100 Virco model 8925 stackable chair; black metal frame with burgundy upholstered seat & back
- Five (5) Virco model 9018 “Classic Series” stackable chair; chrome metal frame with Forest Green contoured plastic seat/back
- Twenty-eight (28) Virco model 9018 “Classic Series” stackable chair; chrome metal frame with burgundy contoured plastic seat/back; generally 14 each located in the dressing rooms
- Two (2) Virco chair carts

Tables

- Six (6) 18”x60” tables; brown metal legs with walnut wood-grain finish top
- Six (6) 24”x48” tables; brown metal legs with walnut wood-grain finish top
- One (1) 36”x144” table; silver legs with plywood top (due to appearance, this table requires tablecloths or other suitable cover)

Note: The PAC does not provide tablecloths or skirting

10.GUIDELINES FOR USE

For the safety of your group and patrons, and the protection of the facility, please inform your participants & patrons of these rules prior to your program in the Performing Arts Center.

Failure to follow these guidelines could result in suspension of use for your group or additional charges and fees for rental clients, as detailed in your lease agreement.

SAFETY

- No running inside the PAC.
- The PAC seats 710. Due to fire and safety regulations, we cannot accommodate standing-room crowds. You are expected to not over-sell seating. Ticketers should keep count of admissions, including paid patrons, comps, and any cast or crew admitted to the theatre seating area.
- There will be no unsupervised students or children in the PAC.
- Your group will not be admitted to the facility prior to the contracted access time.
- You are expected to have sufficient staff, ushers, security officers and/or parents to adequately supervise your group at all times.
- Security personnel may be required at the discretion of the PAC supervisor. If deemed necessary, your organization will be responsible for all security expenses.
- Admittance to the orchestra pit or lighting catwalks is by PAC supervisor authorization only.
- Extra caution is to be observed on stage when the orchestra pit is open.
- No climbing on, or jumping off the stage. Stairs are provided on both sides and should be used when entering or existing the stage to or from the house seating area.
- No sitting, standing or walking on the edge of the stage apron, on the block wall along the stairs to the stage, or on the block wall in front of the upper tier of house seating.
- No objects may be left underneath the stage fire curtain (just in front of the grand drape). This includes theatrical sets, instruments, cases and furniture. The curtain must be clear to drop completely to the floor at any time, without obstruction. Make sure your stage setup allows a clear path in this area.
- No doorways, exits, or hallways may be blocked or obstructed.
- Use of pyrotechnics and open flame is prohibited. This includes, but is not limited to, flash pots and flash paper. Also prohibited are products, items and devices that produce an open flame, such as sparklers, candles and lanterns.

FOOD & DRINKS

- Food and drinks are not allowed in the PAC. Please allow adequate rehearsal breaks for off-site meals.
- Concessions and/or receptions that include food or drinks must be approved in advance. These activities must be located outside the PAC front entrance. If approved, you must provide adequate trash bags & remove all trash & bags at the conclusion of the event. Vendors, ticketers and/or ushers should proactively stop patrons from entering the PAC with food items.
- Bottled water in a sealed container is permissible within the facility.

DAMAGE TO FACILITY OR EQUIPMENT

- *Per the lease agreement, your organization will be held responsible for damage to any equipment or furnishings during your occupancy of the facility.*
- Use of tape anywhere in the facility is by permission only. If use is granted, all tape & adhesive residue must be removed immediately following you event. Under no circumstances will posters,

flyers or other items be taped to any painted surface. Please discuss your signage needs with the supervisor prior to the event.

- Theatrical spike tape is permitted for marking stage floor. Duct tape & regular masking tape is prohibited. All spikes must be removed at conclusion of event, along with any adhesive residue.
- No lagging, screws or nails are allowed in the stage floor. All flats or standing decorative items must be self-supporting & adequately weighted to prevent damage or injury.
- No one is to touch stage curtains, particularly the blue sky drop (cyc) upstage (oil from hands attracts dust & dirt). DO NOT PROP FLATS OR STORE ITEMS AGAINST THE CYC.
- The space behind the blue sky drop (cyc) is not to be used as crossover space. All crossover is to be through the back hallway, or by special arrangement, through the orchestra pit.
- Feet should be on the floor when seated in the house, not propped on the walls or seat backs.
- Do not touch artwork on display, or the grid support panels.
- No items are to be placed on top of the piano backstage. Please ask for a table if necessary for props, awards, etc.
- Tables are provided by arrangement for your convenience. They are not designed to hold excessive loads, including people sitting on them.
- Do not sit, stand or place heavy objects on dressing room countertops. The supports will break when placed under excessive load.
- There will be no unauthorized use of the piano or other musical instruments.
- Only Henry County Board of Education employees may operate lighting control equipment. Use of followspots requires advance approval.

LOAD IN/OUT

- Your group will not be admitted to the facility prior to the contracted access time. This includes photographers, videographers, florists or other vendors. Rental clients requiring early access must contract additional time and pay applicable fees.
- All large equipment should load-in & out through the loading doors at the rear of the building.
- All sets, props and equipment must be removed immediately following your production. The PAC has no storage space for your equipment.
- Interior and exterior doorways are to remain free of obstructions at all times. DO NOT BLOCK DOORS!
- Props, sets, instrument cases or other items should be *neatly* stored alongside *one side* of the back hallway and/or in clear wing spaces. Safe passageways must be maintained at all times.
- Construction debris must be removed daily.
- All set painting must take place outside. Use of drop cloths is required when painting items in the parking lot. Touch-ups on stage must be by permission of the PAC supervisor, with special care taken to avoid paint on floors or curtains. Please discuss your needs with the supervisor.

MISCELLANEOUS

- Your group should be instructed on etiquette appropriate for the event.
- Dressing rooms will be made available only according to the lease agreement. All use shall be by permission only, and arranged in advance.

RESERVATIONS AND CANCELLATIONS

The PAC is a fine arts theatre and is in high demand by school and community groups. When planning your program, consider the appropriateness of your event to this space. Ask only for dates/time you expect to use.

- Should cancellation become necessary, please notify the PAC supervisor as soon as your decision is finalized.
- Rental fees are not refundable should you cancel your event.

Please discuss any questions or concerns with the PAC supervisor.

11. HOSPITALITY

Restaurants

A large variety of restaurants & fast food establishments are located within five miles of the Performing Arts Center. Most national chains are represented near one of the three McDonough exits on Interstate 75 (approximately four miles from the PAC). Traffic congestion can be severe at times however (particularly around the McDonough town square), so plan your meal breaks and budget your time accordingly. This list is offered as a reference source for PAC clients. It does not include all establishments in the area; inclusion or omission does not imply any endorsement or recommendation by the Henry County Board of Education.

Nearby Restaurants

These restaurants are generally located within a few blocks of the PAC. Some are close enough to easily reach by walking (indicated with " * "). Listed from closest to furthest. If no address or phone number is listed, please ask for directions.

- *Huddle House, 350 Keys Ferry Street, 770-898-0670
- *Anthony's Pizza & Pasta, 260 Keys Ferry Street (beside Huddle House)
- *Blimpie, 293 Keys Ferry Street (near Huddle House)
- *Fisherman's Café, 393 Keys Ferry Street (across GA Hwy 81 from Huddle House)
- *Wendy's, 273 Keys Ferry Street (across GA Hwy 81 from Huddle House), 770-914-1250
- *The Panda Chinese Restaurant (buffet or menu), 148 John Frank Ward Blvd, 770-957-5560
- *Wings & Things, 140 John Frank Ward Blvd, 678-432-8681
- *Hardees, 182 Keys Ferry Street, 770-954-1581
- Gritz Family Restaurant (on the town square – breakfast & lunch only), 14 Macon Street, 770-914-0448
- Sidewalk Café, 30 Macon Street (on the square), 770-898-5373
- Bistro 41, 41 Griffin Street, 770-320-8855
- Papa John's Pizza, 100 South Cedar Street, 770-914-7890
- Sports Oasis, 92 South Cedar Street, 770-914-8030
- Subway, 102 South Cedar Street, 770-914-6814
- Kickin Chicken, 118 South Cedar Street, 770-914-7994
- Great American Hotdog (on the town square), 36 Griffin Street, 770-914-3647
- Truman's, 32 Jonesboro Road (just off the square), 770-320-8686
- Chicken Run, 801 Hwy 81 East (one mile east of PAC)
- McDonalds, 898B Hwy 81 East (one mile east of PAC in Chevron Station, across from McDonalds)

Exit 221 Restaurants

- Chili's, Burger King, O-Charley's, Red Lobster, Hooters, CiCi's Pizza, Woody's Barbeque, The Desert Factory, Longhorn Steaks, Gecko Grill, Truett's, McDonalds, Golden Corral

Exit 218 Restaurants

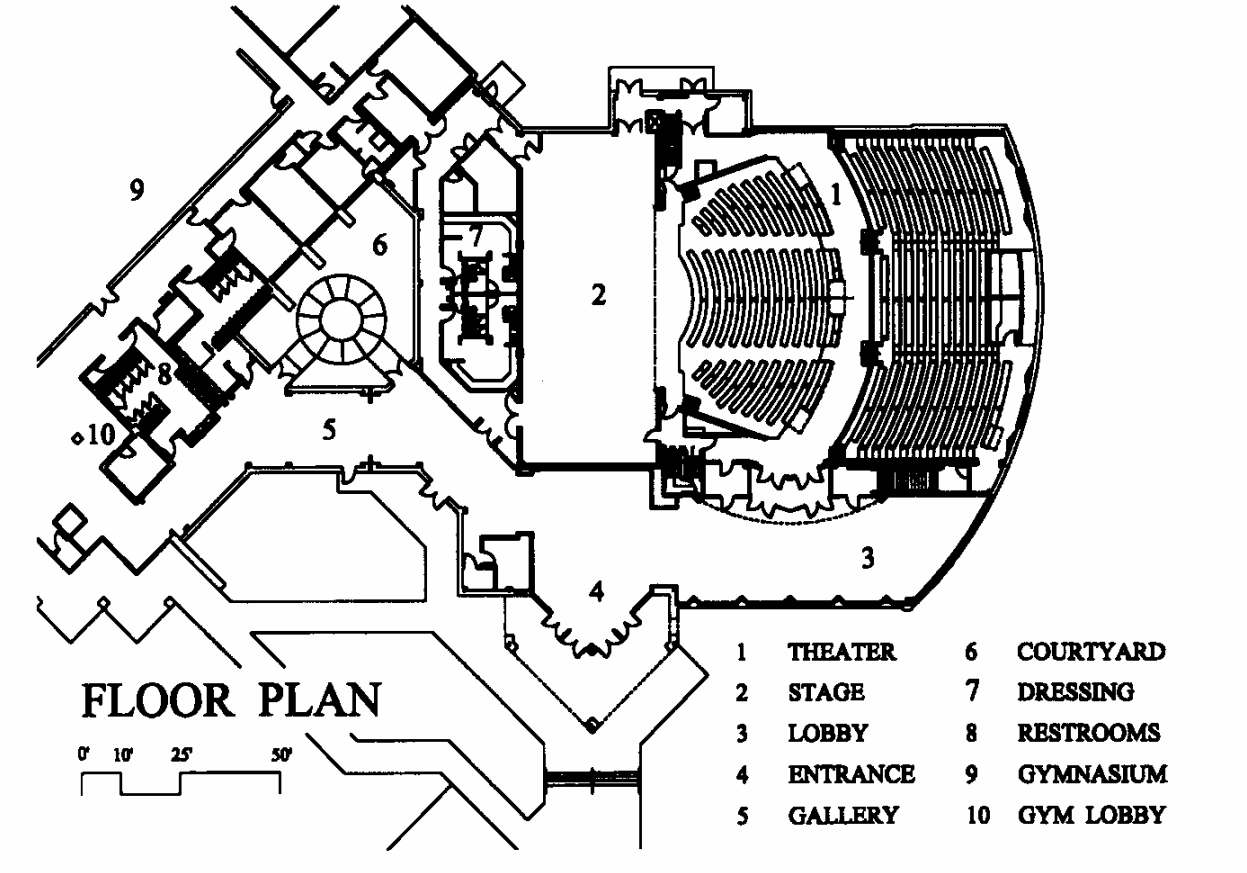
- Ruby Tuesday, Waffle House, Cracker Barrel, Up the Creek (fish), Zaxby's (chicken & wings), Pizza Hut, Burger King, KFC, Arby's, Wendy's, China Wok Buffet, McDonalds, Taco Bell, Dairy Queen, Applebee's, O.B.'s Barbeque, Three Dollar Café, Ryan's

Hotels/Motels

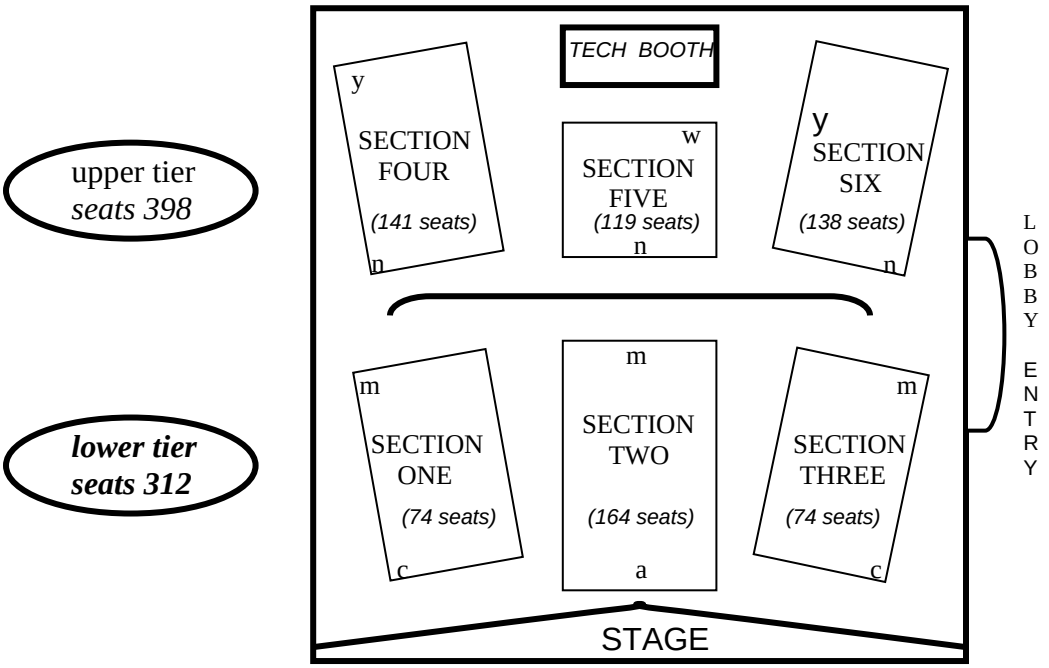
A number of national hotel/motel chains are located near Interstate 75 Exits 216 & 218. There are none located at Exit 221.

12. FLOORPLAN

Note: Areas 9 & 10 are part of Henry County High School (adjoining PAC) & are not available for use



13. SEATING DIAGRAM



SECTION FOUR**
Row Y = 13
Row X = 13
Row W = 13
Row V = 13
Row U = 13
Row T = 13
Row S = 13
Row R = 13
Row Q = 13
Row P = 13
Row N = 11

SECTION FIVE***
Row W = 14
Row V = 13
Row U = 14
Row T = 13
Row S = 14
Row R = 13
Row Q = 14
Row P = 13
Row N = 11

SECTION SIX*
Row Y = 10
Row X = 13
Row W = 13
Row V = 13
Row U = 13
Row T = 13
Row S = 13
Row R = 13
Row Q = 13
Row P = 13
Row N= 11

SECTION ONE**
Row M = 7
Row L = 10
Row K = 10
Row J = 10
Row H = 9
Row G = 8
Row F = 7
Row E = 6
Row D = 4
Row C = 3

SECTION TWO***
Row M = 10 (5 + 5)
Row L = 14
Row K = 14
Row J = 14
Row H = 14
Row G = 14
Row F = 14
Row E = 14
Row D = 14
Row C = 14
Row B = 14
Row A = 14

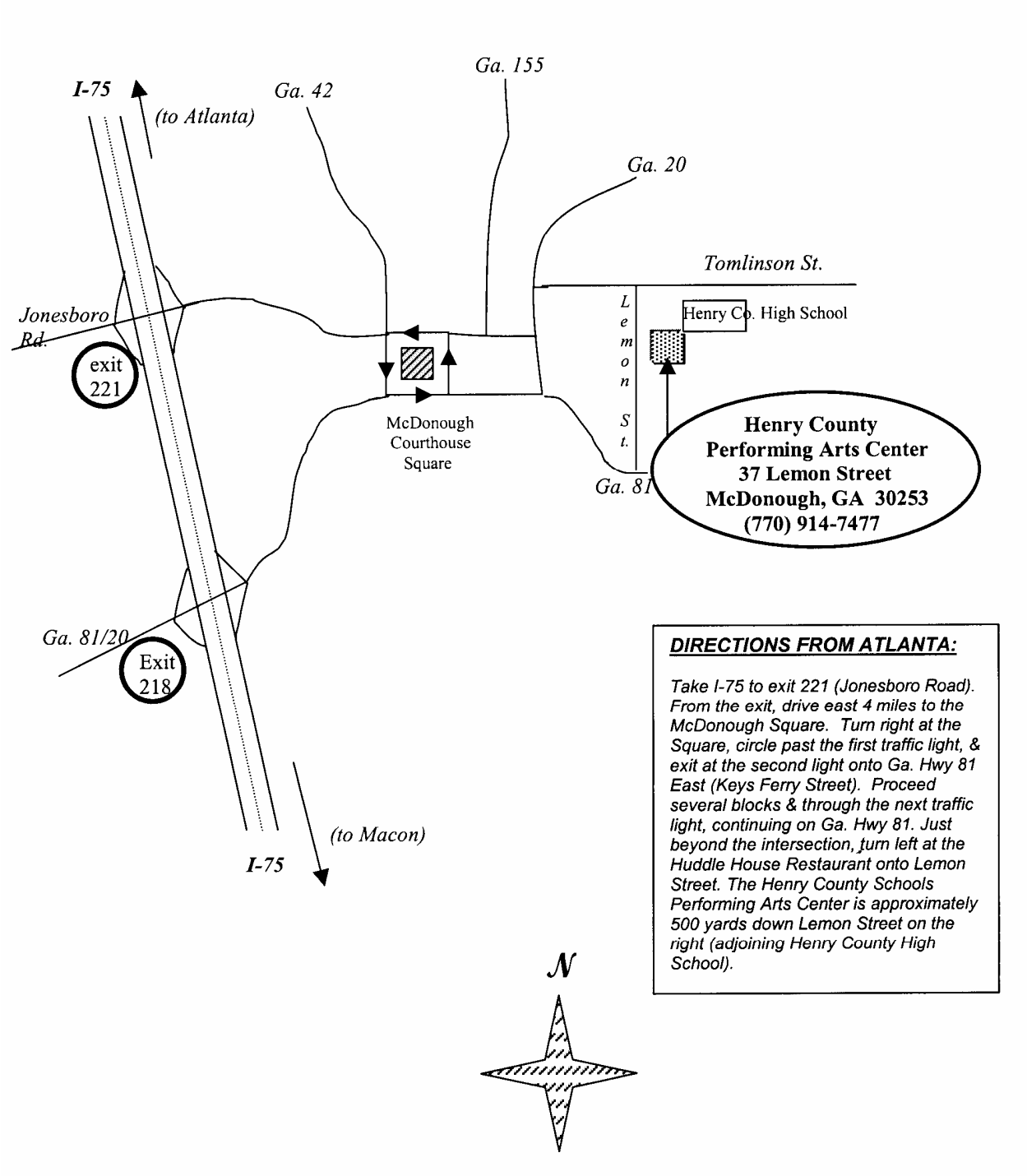
SECTION THREE*
Row M = 7
Row L = 10
Row K = 10
Row J = 10
Row H = 9
Row G = 8
Row F = 7
Row E = 6
Row D = 4
Row C = 3

**seats odd-numbered (1,3,5…) from center aisle to outside wall*
***seats even-numbered (2,4,6,…) from center aisle to outside wall*
****seats numbered consecutively (101, 102, 103…) from stage left to stage right*

Wheelchair Seating
Row M: Section 1 (2 spaces – end of row); Section 2 (4 spaces – center); Section 3 (2 spaces – end of row)
Row Y: Section 6 (2 spaces) – accessible via chair lift
Transfer capable seats: C1, C2, J19, J20, L19, L20, L101, L114

14. MAP & DIRECTIONS

Note: map not to scale



DIRECTIONS FROM ATLANTA:

Take I-75 to exit 221 (Jonesboro Road). From the exit, drive east 4 miles to the McDonough Square. Turn right at the Square, circle past the first traffic light, & exit at the second light onto Ga. Hwy 81 East (Keys Ferry Street). Proceed several blocks & through the next traffic light, continuing on Ga. Hwy 81. Just beyond the intersection, turn left at the Huddle House Restaurant onto Lemon Street. The Henry County Schools Performing Arts Center is approximately 500 yards down Lemon Street on the right (adjoining Henry County High School).

15. REFRERNCE RESOURCES

The following web links are offered as a reference source for facility information, and equipment, materials or supplies available or used in the HCPAC.

FACILITY
Henry County Schools – www.henry.k12.ga.us (also, see links to Performing Arts Center)
Gardner Spencer Smith Sarden & Partners, Architects - home.sc.rr.com/economyfurn/8-17-00.htm
Choate Construction (General Contractor) – www.choateco.com
Acoustical Design Group (Acoustical Consultants) - www.adgkc.com
J.L. Friesen & Associates (Acoustical Consultants) – 404-892-6451
Georgia Sound Systems (Sound Installation Contractor - no longer in business)
Stage Front Presentation Systems (Stage Lighting Design/Installation) - www.sfps.net
Stagestep (Vinyl Dance Floor Manufacturer; Floor Cleaning & Maintenance Supplies) – www.stagestep.com
Hoffend & Sons (Stage Rigging Design & Manufacturer) – www.hoffend.net
Lightolier (Architectural Lighting Manufacturer) – www.lightolier.com
Automatic Devices Company (ADC) (Stage Curtain Track) - www.automaticdevices.com

LIGHTING
Electronic Theatre Controls (ETC) (Stage Lighting Control, Dimmers, Instruments) – www.etcconnect.com
Altman (Stage Lighting Instrumentes & Accessories) – www.altmanlighting.com
Lighting & Electronics (L&E) (Stage Lighting Instruments) – www.le-us.com
Lycian Stage Lighting (Follow Spot Manufacurer) – www.lycian.com
Rosco Labs (Stage Lighting Accessories & Expendables) – www.rosco.com
Apollo Design Technology (Stage Lighting Accessories & Expendables) - www.internetapollo.com
GAM Products (Stage Lighting Accessories & Expendables) – www.gamonline.com

SOUND
Electro-Voice (Microphones; Speakers) – www.electrovoice.com
Klark Teknik (Front of House Signal Processing) - www.klarkteknik.com
Rane (Front of House Signal Processing) – www.rane.com
Crown (Front of House Power Amplifiers; Microphones) – www.crownaudio.com
LynTec (Sound System Power Sequencing)– www.lyntec.com
Allen & Heath (Front of House Sound Console) – www.allen-heath.com
Mackie Technology (Sound Console) – www.mackie.com
Horizon Music (Stage Monitors/Wedges) – www.horizonmusic.com
Samson Technologies (Stage Monitor Power Amplifier; EQ) – www.samsontech.com
Sabine (Feedback Filters) – www.sabine.com
SHS (Handheld Wired Microphones – www.shsaudio.com
Lexicon (Signal Processing) – www.lexicon.com
Alesis (Signal Processing; Hard Disc/CD Recording) – www.alesis.com
Denon (Audio Cassette Recorder/Player) – www.denon.com
JVC (Compact Disc Playback) – www.jvc.com
Gemini (Compact Disc Playback) – www.geminidj.com
Audio-Technica (Microphones) – www.audiotechnica.com
Avlex (Recording Microphones) – www.avlex.com
Shure (Wireless Microphone Systems; Microphones) – www.shure.com
Production Intercom (Production Intercom System; Headsets) – www.beltpack.com
Atlas (Microphone Stands) – www.atlas-soundolier.com
Quicklok (Microphone Stands) – www.quicklok.com
Whirlwind (Direct Box) – www.whirlwindusa.com
Conquest Sound (Direct Box) – www.conquestsound.com
Proco (Direct Box) – www.procosound.com

Littlite (Rack & Consoles Lights) – www.littlite.com
Williams Sound Corp (Assistive Listening System) – www.williamssound.com

CONCERT EQUIPMENT
Yamaha (Concert Piano) - www.yamaha.com/yamahavgn/CDA/Home/YamahaHome/
Premier (Mallet Percussion)
Wenger (Podiums, Choral Risers, Conductor's Stand) – www.wenger.com
Manhasset Specialty Companyt (Music Stands) – www.manhasset-specialty.com

A/V EQUIPMENT
Elmo (Overhead Projector) – www.elmousa.com
Panasonic (Color TV/Monitor) – www.panasonic.com
Luxor (AV Cart) – www.luxorfurn.com
Anchor Audio (Megaphone) – www.anchoraudio.com

FURNISHINGS
Virco (Chairs) – www.virco.com